



# 2000 Toxics Release Inventory

UTAH

## Reported Releases and Waste Management Activities (in pounds)

	Original Industry	New Industry	Total
On-site Releases	104,672,616	849,638,572	954,311,188
Air Emissions	47,136,656	2,187,073	49,323,729
Surface Water Discharges	990,717	8,621	999,338
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	9,000	8,672,582	8,681,582
Other On-site Land Releases	56,536,243	838,770,296	895,306,538
Off-site Releases (Transfers Off-site to Disposal)*	1,468,645	161,965	1,630,610
<b>Total On- and Off-site Releases</b>	<b>106,141,261</b>	<b>849,800,537</b>	<b>955,941,798</b>
Recycled On-site	129,806,879	6,111,502	135,918,381
Recycled Off-site	3,202,506	87,576	3,290,082
Energy Recovery On-site	2,658,962	0	2,658,962
Energy Recovery Off-site	64,835	119,230	184,065
Treated On-site	341,339,444	28,735,848	370,075,292
Treated Off-site**	2,002,157	15,702	2,017,859
Quantity Released On- and Off-site***	84,116,826	637,332,173	721,448,999
<b>Total Production-related Waste Managed</b>	<b>563,191,609</b>	<b>672,402,031</b>	<b>1,235,593,640</b>
<b>Non-production-related Waste Managed</b>	<b>28,827,887</b>	<b>219,371,142</b>	<b>248,199,029</b>

## Transfers Off-site for Further Waste Management/Disposal

Recycling	3,769,553	170,508	3,940,061
Energy Recovery	34,772	119,794	154,566
Treatment	659,637	10,771	670,408
Publicly Owned Treatment Works (POTWs)	959,250	0	959,250
Metals and Metal Compounds*	1,809	0	1,809
Non-metal TRI Chemicals**	957,441	0	957,441
Other Off-site Transfers****	0	0	0
Transfers Off-site to Disposal (not including metals to POTWs)	5,176,201	244,087	5,420,288
<b>Total Transfers Off-site for Further Waste Management/Disposal</b>	<b>10,599,413</b>	<b>545,160</b>	<b>11,144,573</b>

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

## For More Information . . .

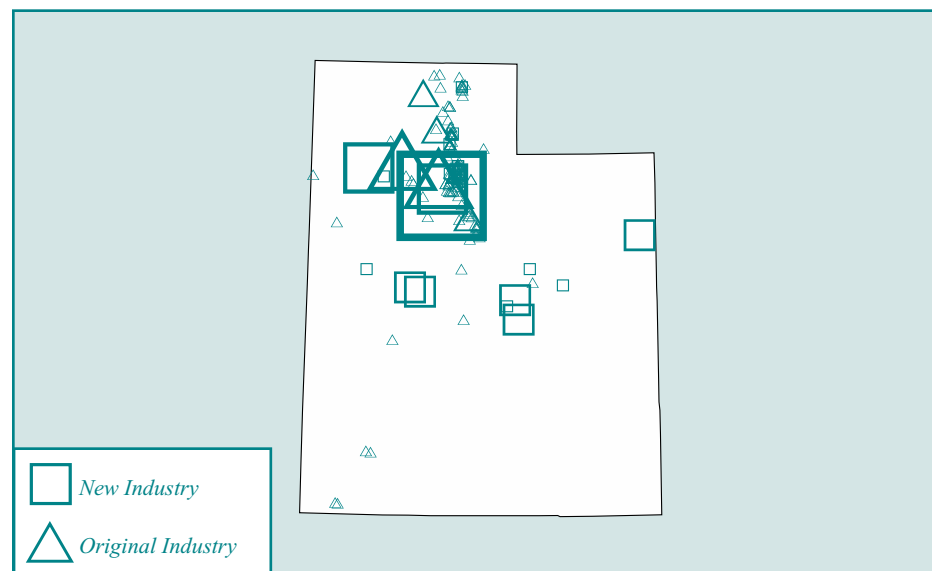
### State Contact

Neil Taylor  
168 North 1950 West  
Salt Lake City, UT 84116  
(801) 536-4102  
Fax: (801) 536-4242  
ntaylor@deq.state.ut.us

### EPA Contact

Joyel Dhieux  
USEPA Region 8 (8P- P3T)  
999 18th Street, Suite 500  
Denver, CO 80202  
(303) 312-6447  
dhieux.joyel@epa.gov

To obtain TRI data use  
assistance, call TRI User  
Support Service (TRI-US):  
(202) 566-0250  
Fax: (202) 401-2347  
tri.us@epa.gov



The largest marker in the state map represents the largest facility for on-site releases in the state of Utah. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

## State/TRI Data

Population	2,241,555
Square Miles	82,168
Total Facilities	172
Total Forms	748
Form As	93

	Original Industry	New Industry	Total
<b>National Rank for Total On- and Off-site Releases*</b>			
Rank	6	2	2
Pounds	106,141,261	849,800,537	955,941,798
<b>National Rank for Total On-site Releases**</b>			
Rank	3	2	2
Pounds	104,672,616	849,638,572	954,311,188
<b>National Rank for Total Releases within State***</b>			
Rank	7	2	2
Pounds	107,191,048	853,215,694	960,406,741
<b>National Rank for Production-related Waste Managed</b>			
Rank	12	3	7
Pounds	563,191,609	672,402,031	1,235,593,640

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 2000 Toxics Release Inventory

**UTAH**

## On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Copper compounds	127,695	1,010	0	596,061,674	156,891	596,347,270	164,809	65,941	127,281
—	Lead compounds	56,438	515	0	62,923,557	372,874	63,353,384	383,925	136,566	355,864
—	Manganese compounds	9,594	510	0	62,103,424	503,254	62,616,782	167,043	208,526	499,481
—	Chromium compounds	3,776	500	0	60,628,720	59,347	60,692,343	2,225	71,191	50,942
—	Zinc compounds	14,630	3,340	0	52,927,277	1,430,239	54,375,486	676,407	1,429,485	1,413,972

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

## On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Mercury compounds	977.82	8.20	0.00	45,213.27	3,128.98	49,328.27	2,880.83	11,438.90	11.12
1336-36-3	Polychlorinated biphenyls (PCBs)	5.00	0.00	0.00	28,916.00	0.00	28,921.00	8,516.01	10,541.40	0.00
—	Polycyclic aromatic compounds	1,153.56	32.00	0.00	0.00	1,042.20	2,227.76	437.50	1,042.20	0.00
118-74-1	Hexachlorobenzene	0.00	0.00	0.00	611.00	72.56	683.56	0.00	72.56	0.00
191-24-2	Benzo(g,h,i)perylene	160.74	1.00	0.00	0.00	25.00	186.74	4.91	25.00	0.00
7439-97-6	Mercury	29.99	0.00	0.00	0.54	91.17	121.70	113.60	338.25	0.00
8001-35-2	Toxaphene	0.00	0.00	0.00	0.00	16.66	16.66	0.00	16.66	0.00
—	Dioxin and dioxin-like compounds	1.45	0.00	0.00	3.68	0.06	5.19	0.00	0.00	0.06
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>658.413</i>	<i>0.000</i>	<i>0.000</i>	<i>1,667.668</i>	<i>26.920</i>	<i>2,353.000</i>	<i>0.886</i>	<i>0.030</i>	<i>26.890</i>
608-93-5	Pentachlorobenzene	0.00	0.00	0.00	0.00	3.00	3.00	0.00	3.00	0.00
76-44-8	Heptachlor	0.00	0.00	0.00	0.00	2.17	2.17	0.00	2.17	0.00
57-74-9	Chlordane	0.11	0.00	0.00	0.00	1.75	1.86	0.00	1.75	0.00
72-43-5	Methoxychlor	0.00	0.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00
309-00-2	Aldrin	0.00	0.00	0.00	0.00	1.15	1.15	0.00	1.15	0.00
1582-09-8	Trifluralin	0.00	0.00	0.00	0.00	1.15	1.15	112.00	1.15	0.00
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
79-94-7	Tetrabromobisphenol A	—***	—	—	—	—	—	—	—	—

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

\*\*\* No reports were submitted for these chemicals.



# 2000 Toxics Release Inventory

UTAH

## On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Kennecott Utah Copper Mine Concentrators & Power Plant, Copperton, Salt Lake	24,881	8,534	0	0	0	813,758,255	813,791,671	0	0
Kennecott Utah Copper Smelter & Refy., Magna, Salt Lake	233,471	6,004	0	0	0	53,908,515	54,147,990	505	97,946
Magnesium Corp. of America, Rowley, Tooele	43,932,001	0	0	0	0	629	43,932,630	0	0
Kennecott Barneys Canyon Mining Co., Bingham Canyon, Salt Lake	10,500	0	0	0	0	18,006,300	18,016,800	0	0
Safety Kleen Lone & Grassy Inc. Grassy Mountain Facility, Grantsville, Tooele	366	0	0	0	8,672,582	38,873	8,711,821	9,067	0
Pacificorp Huntington Plant, Huntington, Emery	954,549	0	0	0	0	1,353,820	2,308,369	0	0
Pacificorp Hunter Power Plant, Castle Dale, Emery	165,718	0	0	0	0	1,607,607	1,773,325	15,068	150
Geneva Steel L.L.C., Vineyard, Utah	130,621	982,888	0	0	0	614,300	1,727,809	781	0
Intermountain Power Generating Station, Delta, Millard	134,338	0	0	0	0	1,448,205	1,582,543	0	0
Western Zirconium, Ogden, Weber	57,421	0	0	0	0	1,451,006	1,508,427	94	0

\* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

## On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases		
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds				
Safety Kleen Lone & Grassy Inc. Grassy Mountain Facility, Grantsville, Tooele	1.40	0.00	0.00	0.00	9,908.00	28,578.00	38,487.40	26.00	0.00	
Kennecott Utah Copper Mine Concentrators & Power Plant, Copperton, Salt Lake	36.40	4.10	0.00	0.00	0.00	22,100.00	22,140.50	0.00	0.00	
Kennecott Barneys Canyon Mining Co., Bingham Canyon, Salt Lake	0.40	0.00	0.00	0.00	0.00	6,300.00	6,300.40	0.00	0.00	
Kennecott Utah Copper Smelter & Refy., Magna, Salt Lake	36.03	4.10	0.00	0.00	0.00	6,220.05	6,260.18	0.00	1.00	
Geneva Steel L.L.C., Vineyard, Utah	1,060.50	24.00	0.00	0.00	0.00	0.20	1,084.70	0.60	0.00	
Intermountain Power Generating Station, Delta, Millard	333.20	0.00	0.00	0.00	0.00	405.11	738.32	0.00	0.00	
Magnesium Corp. of America, Rowley, Tooele	1.37	0.00	0.00	0.00	0.00	628.66	630.04	0.00	0.00	
Pacificorp Hunter Power Plant, Castle Dale, Emery	214.32	0.00	0.00	0.00	0.00	293.00	507.32	3.20	0.10	
Pacificorp Huntington Plant, Huntington, Emery	206.71	0.00	0.00	0.00	0.00	120.40	327.11	0.00	0.00	
Graymont Western US Inc. Cricket Mountain, Delta, Millard	8.30	0.00	0.00	0.00	0.00	149.40	157.70	0.00	0.00	

\* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 2000 Toxics Release Inventory

**UTAH**

## Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Kennecott Utah Copper Mine Concentrators & Power Plant, Copperton, Salt Lake	0	0	0	0	0	0	601,069,200	601,069,200	219,371,000
Magnesium Corp. of America, Rowley, Tooele	127,000,000	0	0	0	320,000,000	0	43,780,630	490,780,630	0
Kennecott Utah Copper Smelter & Refy., Magna, Salt Lake	0	31	0	0	1,500	0	25,714,538	25,716,069	28,693,650
Kennecott Barneys Canyon Mining Co., Bingham Canyon, Salt Lake	0	0	0	0	0	0	18,016,300	18,016,300	0
Safety Kleen Lone & Grassy Inc. Grassy Mountain Facility, Grantsville, Tooele	0	0	0	0	31,117	7,446	8,728,188	8,766,751	0
Nucor Corp. Nucor Steel Div., Plymouth, Box Elder	0	20	0	0	0	0	7,183,033	7,183,053	0
Pacificorp Huntington Plant, Huntington, Emery	0	0	0	0	1,080,000	0	2,311,327	3,391,327	0
Pacificorp Hunter Power Plant, Castle Dale, Emery	0	0	0	0	5,200,000	0	1,980,512	7,180,512	0
Geneva Steel L.L.C., Vineyard, Utah	0	0	0	0	500,746	1,260	1,725,923	2,227,928	0
Intermountain Power Generating Station, Delta, Millard	0	0	0	0	4,170,500	0	1,584,538	5,755,038	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

## Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Safety Kleen Lone & Grassy Inc. Grassy Mountain Facility, Grantsville, Tooele	0	0	0	0	0	7,428	45,829	53,257	0
Safety-Kleen (Aragonite) Inc., Aragonite, Tooele	0	0	0	0	9,972,925	0	22,383	9,995,308	0
Kennecott Utah Copper Mine Concentrators & Power Plant, Copperton, Salt Lake	0	0	0	0	0	0	16,000	16,000	6,000
Kennecott Barneys Canyon Mining Co., Bingham Canyon, Salt Lake	0	0	0	0	0	0	6,300	6,300	0
Geneva Steel L.L.C., Vineyard, Utah	0	0	0	0	246	1	1,081	1,327	0
Kennecott Utah Copper Smelter & Refy., Magna, Salt Lake	0	31	0	0	0	0	773	804	5,600
Intermountain Power Generating Station, Delta, Millard	0	0	0	0	0	0	738	738	0
Bigwest Oil L.L.C., North Salt Lake, Davis	212	0	0	0	0	3	718	933	0
Magnesium Corp. of America, Rowley, Tooele	0	0	0	0	0	0	630	630	0
Pacificorp Hunter Power Plant, Castle Dale, Emery	0	0	0	0	0	0	512	512	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.